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Security Advisory Report

October 26, 2021

**Realtek RtsUpx USB utility driver Vulnerability
(CVE-2021-36922/CVE-2021-36923/CVE-2021-36924/CVE-2021-36925)**

Release Date

2021/11/01

Affected Projects

Realtek RtsUpx USB utility driver for Camera/Hub/Audio

Affected Versions

RtsUpx.sys version 1.14.0.0 and below

CVE ID

CVE-2021-36922

CVE-2021-36923

CVE-2021-36924

CVE-2021-36925

Description

The following security issues was found in IOCTL requests provided by RtsUpx driver:

1. Input data from user mode is not properly validated and could lead to a system crash.

2. Vulnerable to TOCTOU attack which may cause pool overflow.

3. Unauthorised access to arbitrary USB devices.

4. Access to arbitrary IN/OUT or physical memory from a non-administrator user.

Vulnerability Type

System Crash

Gain Privileges

Attack Type

Local

Security Risk

High

Patch

RtsUpx v2.0.0.0

# # #

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